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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Osamu WADA	Group Art Unit: 2675
Application No.: 10/019,698	Examiner: A. Nelson
Filed: January 2, 2002	Docket No.: 111618

For: ENVIRONMENT-COMPLIANT IMAGE DISPLAY SYSTEM, PRESENTATION SYSTEM, IMAGE PROCESSING METHOD, AND PROGRAM

REQUEST FOR RECONSIDERATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In reply to the November 3, 2004 Office Action, reconsideration of the application is respectfully requested. Claims 1-21 are pending in this application.

I.   Information Disclosure Statement

An Information Disclosure Statement ("IDS") with Form PTO-1449 was filed in the above-captioned patent application on April 11, 2002. Applicant has not yet received from the Examiner a copy of the Form PTO-1449 initialed to acknowledge the fact that the Examiner has considered the disclosed information. The Examiner is requested to initial and return to the undersigned a copy of the Form PTO-1449. For the convenience of the Examiner, a copy of that form is attached.

II.   Claim For Priority

A Claim for Priority based on Japanese Patent Application Publication No. 2000-134893, filed May 8, 2000, was made in the PCT Request for International Application No.

PCT/JP01/03791. Accordingly, a certified copy of the priority document was submitted in the International Application. It is respectfully requested that the Examiner acknowledge receipt of the certified copy of the priority document in this National Stage Application from the International Bureau under PCT Rule 17.2(a).

III. Rejections Under 35 U.S.C. §103(a)

The Office Action rejects claims 1, 6, 10, 11, 15, 17 and 21 under 35 U.S.C. §103(a) over U.S. Patent No. 6,480,202 to Deguchi et al. ("Deguchi"); and rejects claims 7-9, 14, 16 and 18-20 under 35 U.S.C. §103(a) over Deguchi in view of U.S. Patent No. 6,456,340 to Margulis ("Margulis"). Applicant respectfully traverses the rejections.

Deguchi does not teach or suggest a display system, method or program including "colored-light information processing means which converts a given color within the visual environment information into a coordinate value within a given color space and obtains a coordinate value forming a complementary color pair with the converted coordinate value based on a coordinate value within the color space of the given color within a given reference environment and the converted coordinate value," as recited in independent claims 1, 6, 11 and 17.

The Office Action asserts that Deguchi teaches an image display system of the environment-compliant type including a colored-light information processing section 100a that converts a given color RGB within a visual environment information into coordinate values XYZamb within a given color space, and obtains a coordinate value forming a complementary color pair XYZcrt with the converted color coordinate value, citing col. 7, line 1-6 of Deguchi. Further, the Office Action asserts that it would be obvious to consider measured color values as a reference environment of the image display system. Notwithstanding these assertions, Deguchi does not teach or suggest a processing means that obtains a coordinate value forming a complementary color pair with a converted coordinate

value of a given color within a visual environment information, as set forth in independent claims 1, 6, 11 and 17.

Deguchi teaches an image processing section 100 including a viewing environment converting section 100a, a profile updating section 100b, a monitor specific values converting section 100c, and a contrast collecting section 100d. See Figs. 8 and 9. The viewing environment converting section 100a calculates measured values $XYZ_{measured}$ of the colors of the monitor 103 by adding XYZ_{CRT} values corresponding to input signal values of a monitor 103 read out from a memory 104a and XYZ_{AMB} values, of light reflected by a surface of a tube of the monitor 103, detected by an ambient light input section 101. See col. 8, lines 21-44. Deguchi merely teaches adding input signal values XYZ_{CRT} of the monitor 103 and signals from the viewing environment XYZ_{AMB} to get a total combined amount of color seen on the monitor 103.

Although Deguchi teaches that the viewing environment converting section 100a calculates the measured values $XYZ_{measured}$ based on the XYZ_{CRT} values and the XYZ_{AMB} values, Deguchi does not teach or suggest that the measured values $XYZ_{measured}$ are complementary color pairs. A "complementary color pair" is a complementary color that forms a color gray when mixed together with a converted coordinate value within a visual/viewing environment. See specification page 21, lines 11-12. Deguchi does not teach or suggest these features.

For at least the reasons discussed above, Deguchi does not teach or suggest the systems, methods or program of claims 1, 6, 11 and 17. Therefore, claims 1, 6, 11 and 17 are not rendered obvious by Deguchi. Claims 10, 15 and 21 variously depend from claims 6, 11 and 17, and thus also are not rendered obvious by Deguchi at least for the reasons set forth above, as well as for the additional features they recite. Accordingly, withdrawal of the rejection of claims 1, 6, 10, 11, 15, 17 and 21 is respectfully requested.

As discussed above, Deguchi does not teach or suggest a display system, method or program including "colored-light information processing means which converts a given color within the visual environment information into a coordinate value within a given color space and obtains a coordinate value forming a complementary color pair with the converted coordinate value based on a coordinate value within the color space of the given color within a given reference environment and the converted coordinate value," as recited in independent claims 1, 6, 11 and 17. Margulis does not remedy the deficiencies of Deguchi.

Margulis is directed to an image processing system 200 including a display input processor 210, a display output processor 230 and a buffer memory 240 all coupled to a common databus 250. See Fig. 2. The display input processor 230 receives images on a line 2050 and reconstructs the images both spatially and temporally to increase a resolution of the images, a reverse super resolution technique adjusts the data values written into a stationary image module 245 at an increased frame rate. Margulis does not disclose that image processing system includes a means for detecting a visual/viewing environment. Therefore, Margulis cannot reasonably be considered to teach that the display output processor 230 or the display input processor 210 converts a given color within a visual environment information. Margulis, like Deguchi, does not teach or suggest a colored-light information processing means which obtains a coordinate value forming a complementary color pair with the converted coordinate value based on a coordinate value within the color space of the given color within a given reference environment and the converted coordinate value. Accordingly, neither Deguchi nor Margulis, alone or in combination, teaches or suggests the system, method or program, as set forth in independent claims 1, 6, 11 and 17.

Therefore, claims 1, 6, 11 and 17 are not rendered obvious by Deguchi in view of Margulis. Claims 7-9, 14, 16 and 18-20 variously depend from claims 6, 11 and 17, and thus also are not rendered obvious by Deguchi in view of Margulis at least for the reasons set forth
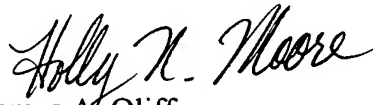
above, as well as for the additional features they recite. Accordingly, Applicant respectfully traverses the rejection.

IV. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-21 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned representative at the telephone number set forth below.

Respectfully submitted,

James A. Oliff
Registration No. 27,075
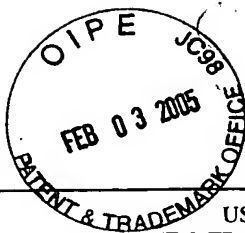
Holly N. Moore
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JAO:HNM/kzb

Attachment:
Form PTO-1449 (April 11, 2002)

Date: February 3, 2005

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Form PTO-1449 (REV. 8-83)	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 111618	APPLICATION NO. 10/019,698
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S) Osamu WADA	
		FILING DATE January 2, 2002	GROUP 2673

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		10/031,441 (Atty Dckt: 111751)	01/22/2002	Osamu Wada		

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: April 11, 2002